




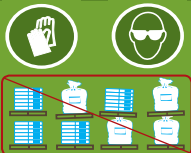


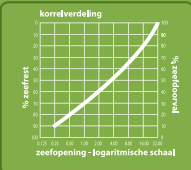









Dramix®

 **BEKAERT**

better together

Recommendations for handling, dosing and mixing



		Dramix®		Dramix® Easy Dose
				
		Glued	Loose	
HANDLING		<ul style="list-style-type: none">- Gloves and eye protection must be used!- Keep dry - No stacking		<ul style="list-style-type: none">- Gloves and eye protection must be used!- Keep dry - No stacking
BEFORE ADDING FIBRES	 	<p>Maximum dosage depends on:</p> <ul style="list-style-type: none">- Concrete composition- Placing method- Type of application <p>Bekaert recommendations:</p> <ul style="list-style-type: none">- Preferably use a central batching plant mixer- A continuous grading and sieve curve- Sufficient fines and mortar content- Optimum slump before fibre addition > 12 cm <p>Note:</p> <ul style="list-style-type: none">- Depending on dosage and fibre type, fibres reduce the slump- Adjust required consistency only with (super) plasticizers		<p>Maximum dosage depends on:</p> <ul style="list-style-type: none">- Concrete composition- Placing method- Type of application <p>Bekaert recommendations:</p> <ul style="list-style-type: none">- Preferably use a central batching plant mixer- A continuous grading and sieve curve- Sufficient fines and mortar content- Optimum slump before fibre addition > 12 cm <p>Note:</p> <ul style="list-style-type: none">- Depending on dosage and fibre type, fibres reduce the slump- Adjust required consistency only with (super) plasticizers
DOSING	 Plant mixer  Truck mixer	 Bags are non degradable	<ul style="list-style-type: none">✓ Introduce fibres with sand and aggregates✓ Add fibres to fresh mixed concrete✗ Never add fibres as a first component✗ Never add fibres as a first component✗ Never fill drum completely with concrete in order to achieve even fibre distribution✓ Add fibres continuously at a maximum of 40 kg/min <p>If blower blast equipments are used (not needed for Dramix® fibres) the suitability should be tested on beforehand</p>	<ul style="list-style-type: none">✓ Introduce fibres with sand and aggregates✓ Add fibres to fresh mixed concrete✗ Never add fibres as a first component✗ Never add fibres as a first component✗ Never fill drum completely with concrete in order to achieve even fibre distribution <p>Speed Dramix® Easy Dose fibres (RB types) can be dosed continuously at a maximum of 60 kg/min</p>
MIXING	  	<p>Mixing time depends on the efficiency of the mixing equipment</p> <ul style="list-style-type: none">✓ DO: drum rotation speed > 12 rpm- Mixing time: after adding all fibres, mix 1 minute/m³ concrete and not less than 5 min		<p>Mixing time depends on the efficiency of the mixing equipment</p> <ul style="list-style-type: none">✓ DO: drum rotation speed > 12 rpm- Mixing time: after adding all fibres, mix 1 minute/m³ concrete and not less than 5 min
QUALITY CONTROL		 Before using fibre concrete, a preliminary test must be done <ul style="list-style-type: none">- Workability- Air content- Separation of fibre bundles when using glued fibres- Homogenous fibre distribution in the concrete		 Before using fibre concrete, a preliminary test must be done <ul style="list-style-type: none">- Workability- Air content- Homogenous fibre distribution in the concrete
PUMPING		<p>Hose diameter > 1,5 x fibre length</p> <p>For complicated pump lines or concrete compositions, a trial is recommended prior to execution</p>		<p>Hose diameter > 1,5 x fibre length</p> <p>For complicated pump lines or concrete compositions, a trial is recommended prior to execution</p>

Dramix® OL Types



- Gloves and eye protection must be used!

- Keep dry 

- No stacking

Maximum dosage depends on:

- Concrete composition
- OL type and dosage

Bekaert recommends:

- Only use a central batching plant mixer
- A continuous grading and sieve curve
- Sufficient fines and mortar content

Note:

- High dosage OL types can reduce the slump heavily
- Adjust required consistency only with (super) plasticizers

Duomix®



- Gloves and eye protection must be used!

- Keep dry 

- No stacking

Bekaert recommends:

- Preferably use a central batching plant mixer
- A continuous grading and sieve curve
- Sufficient fines and mortar content
- Optimum slump before fibre addition > 12 cm

Note:

- Depending on dosage and fibre type, fibres reduce the slump
- Adjust required consistency only with (super) plasticizers

Synmix®



- Gloves and eye protection must be used!

- Keep dry 

- No stacking

Bekaert recommends:


- Preferably use a central batching plant mixer
- A continuous grading and sieve curve
- Sufficient fines and mortar content
- Optimum slump before fibre addition > 12 cm

Note:


- Depending on dosage and fibre type, fibres reduce the slump
- Adjust required consistency only with and/or super-plasticizers

 Never introduce fibres with sand and aggregates

 Add fibres to fresh mixed concrete

 Never add fibres as a first component


- Speed: 10kg/min when using a conveyer belt
- Speed: 20 kg/min when using a automatic dosing system


 **DO NOT:** not possible to dose OL fibres in the truckmixer

 Introduce fibres with sand and aggregates


 Add fibres to fresh mixed concrete

 Never add fibres as a first component

 Never add fibres as a first component


 Never fill drum completely with concrete in order to achieve even fibre distribution


- Speed: add fibres continuously at a maximum of 5 kg/min

 Introduce fibres with sand and aggregates

 Add fibres to fresh mixed concrete


 Never add fibres as a first component

 Never add fibres as a first component


 Never fill drum completely with concrete in order to achieve even fibre distribution

- Speed: add fibres continuously at a maximum of 5 kg/min

Mixing time depends on the efficiency of the mixing equipment


 **DO NOT:** not possible to dose OL fibres in the truckmixer

- Mixing time depends on the efficiency of the mixing equipment

 **DO:** drum rotation speed > 12 rpm

- **Mixing time:** after adding all fibres, mix 1 minute/m³ concrete and not less than 5 min

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 **DO:** drum rotation speed > 12 rpm

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Before using fibre concrete, a preliminary test must be done

- Workability
- Air content
- Homogenous fibre distribution in the concrete



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Special pump test program is required

Hose diameter > 1,5 x fibre length

For complicated pump lines or concrete compositions, a trial is recommended prior to execution

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For complicated pump lines or concrete compositions, a trial is recommended prior to execution

Dramix® BOOSTER:



- Exact dosing of the Dramix® steel fibres
- Reduces the workload at the plant
- Increases the occupational safety and flexibility
- Minimizes your waste
- Your tailor-made solution
- Just-in-time deliveries

Dramix® TANKER:



- Exact dosing of the Dramix® steel fibres
- Increased productivity
- Increases the occupational safety
- Bulk deliveries up to 1100kg
- Dramix® TANKER 1100: removable tray
- Dramix® TANKER 1500: dosing speed of 150kg/min

Other Bekaert building products

- Murfor® - masonry reinforcement
- Stucanet® - plastering mesh
- Widra® - corner beads
- Mesh Track - road reinforcement



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